

What is claimed is:

1. A data processing method for transmitting video movie data having a plurality of frames from a server of a video movie provider to a user terminal in response to a request of the user in a video-on-demand system, the method comprising the steps of:

(a) determining whether the user is an authorized member;

(b) if the user is determined to be the authorized member, transmitting information for movie selection to the user terminal;

(c) when the user selects a particular movie, transmitting data for a play screen on which the user can operate the frames of the movie remotely and recording the time at which the data for the play screen is transmitted as a login time;

(d) setting a value of a frame counter that counts the number of the currently transmitted frame as an initial value; and

(e) when the user selects one of buttons including a play button, a stop button, a rewind button and a fast forward button, performing the function corresponding to the selected button.

2. The data processing method as recited in claim 1, wherein, at said step (e), when the play button is selected, transmitting the video movie data from the frame corresponding to the value of the frame counter and recording the time at which the play button is selected; when the play button is stopped, recording the frames that moved while the play button is selected; when the stop button is selected, stopping data transmission of the movie data; when the rewind button is selected, changing the value of the frame counter to a

previous frame by the number as the user requests and recording the time at which the rewind button is selected and the frames that are moved; and, when the fast forward button is selected, changing the value of the frame counter to a post
5 frame by the number as the user requests and recording the time at which the fast forward button is selected and the frames that are caused to move.

3. The data processing method as recited in claim 2,
10 wherein, at said step (b), if the user selects preview for a movie, preview data of the selected movie is transmitted to the user terminal.

4. The data processing method as recited in claim 3,
15 wherein, at said step (e), if the user selects screen capture on the play screen, information for the frame at that time is recorded in the server.

5. The data processing method as recited in claim 4,
20 further comprising the step of using the captured screen as a screen saver.

6. The data processing method as recited in claim 4,
25 further comprising the step of using the captured screen as a background image.

7. The data processing method as recited in claim 4,
further comprising the step of using the captured screen as an attached file for mailing.

8. The data processing method as recited in claim 1,
wherein the server is provided with data concerning the movie

evaluation score given by the users who have tried previously the movie and the score is provided to the user on the movie selection screen at said step (b).

5 9. The data processing method as recited in claim 1, wherein the database server has a list of movies that the user has tried previously, and said step (c) includes the step (c1) of comparing the selected movie with the movies in the list and then notifying the user of the fact that the user have
10 tried the selected movie previously, if such is the case.

15 10. The data processing method as recited in claim 9, wherein the step (c) further includes the step (c2) of notifying the user of the buttons that are operated during just previous trial and the frames that are moved by the button operation in the sequence of button operation time and allowing the user to select one of the operated buttons after the step (c1), said step (d) stopped while said step (c2) is carried out.

20 11. The data processing method as recited in claim 10, wherein, at said step (c2), when it is determined by a determination process that the movie selected has not been completely watched by the user, a special rate fee is applied to the user.

25 12. The data processing method as recited in claim 11, wherein the determination process is adapted to determine the frames that are played by use of the play button as the frames that the user has watched.

30 13. The data processing method as recited in claim 1, wherein, the web server provides chatting function for

